

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A computing environment comprising:
~~a plurality of file server[[s]];~~
a file system adapted to store software and data and that is also adapted to be accessible to the file server[[s]], said software usable to provide services; and
a minimally-configured workstation adapted to couple to the file server[[s]] and to a client computer;
wherein, in response to a request from the client computer, said software is provided from the file system to the workstation via the file server so that the workstation is re-configured as a server that provides said services to the client computer.
wherein the minimally-configured workstation is adapted to cause at least some software that is not permanently stored on the workstation to be temporarily transferred to the minimally-configured workstation from the file system via at least one of the file servers when requested by the client computer; and
wherein the client computer is adapted to utilize the at least some software temporarily transferred to the minimally-configured workstation
2. (Original) The computing environment of claim 1 wherein the file system comprises a centralized database.
3. (Original) The computing environment of claim 1 wherein the file server comprises a database server.

4. (Original) The computing environment of claim 1 further comprising a plurality of file servers that implement load balancing to distribute traffic among the file servers.
5. (Original) The computing environment of claim 1 wherein the file server implements a heartbeat that determines whether the file server has failed.
6. (Original) The computing environment of claim 1 wherein the file system implements a file protocol selected from the group consisting of Network File System (“NFS”), Andrew File System (“AFS”), and a combination of NFS and AFS.
7. (Currently amended) A computing environment comprising:
 - a plurality of file servers;
 - a file system that is adapted to store client applications and data and that is adapted to be accessible to the file servers; and
 - a ~~minimally-configured~~ workstation adapted to couple to the file servers and to a client computer, the workstation comprises a storage medium on which control files are permanently stored, but client applications are not permanently stored;
 - wherein the ~~minimally-configured~~ workstation is adapted to cause client applications to be ~~temporarily~~ transferred to the ~~minimally-configured~~ workstation from the file system via at least one of the file servers when requested by the client computer so that the workstation is re-configured as a server; and
 - wherein the client computer is adapted to utilize the at least some software ~~temporarily~~ transferred to the ~~minimally-configured~~ workstation.
8. (Original) The computing environment of claim 7 wherein the data that is transferred to the workstation is used by a client application running on the

workstation and wherein the data is permanently stored on the file system and not the workstation.

9. (Original) The computing environment of claim 7 wherein control files comprise server configuration settings.

10. (Original) The computing environment of claim 7 further comprising an interface through which the file server communicates to the workstation.

11. (Original) The computing environment of claim 7 wherein the file system comprises a storage medium selected from the group consisting of Redundant Arrays of Inexpensive Disks (“RAID”) and small computer system interface (“SCSI”) drives.

12. (Withdrawn) A method implemented on a system comprising a file server coupled to a workstation, a client computer and a file system, comprising:

receiving a request from a client computer for a client application, the client application being stored in non-volatile memory on the file system and not on the workstation;

transferring the requested client application from the file system to the workstation for execution on the workstation; and

executing the requested client application on the workstation.

13. (Withdrawn) The method of claim 12 further comprising receiving a request from the client computer for data to be used by the client application, the data being stored permanently in non-volatile memory on the file system and not in non-volatile memory on the workstation.

14. (Withdrawn) The method of claim 13 further comprising transferring the requested data from the file system to the workstation.

15. (Currently amended) A system, comprising:

~~a plurality of file servers; means for storing client applications and data; wherein the means for storing is accessible to the file servers;~~

first means for executing software adapted to obtain and execute the client applications to provide a service;

second means for executing software; and

~~minimally configured means for retrieving and temporarily transferring the client applications from the means for storing the client applications and data to said second means for executing software via the first means for executing software, so that the second means for executing software is re-configured as a server that provides said service to a client computer; and~~

~~means for executing the temporarily transferred client applications as required by a client computer.~~

16. (Currently amended) The system of claim 15 wherein the means for retrieving and temporarily transferring further comprises means for retrieving the client applications from the means for storing each time [[a]] the client computer requires execution of the client applications.

17. (Currently amended) A workstation, comprising:

~~a minimally configured CPU; and~~

~~a volatile memory coupled to the minimally configured CPU;~~

~~wherein said CPU requests and temporarily transfers obtains a client application from an external file system via a file server on behalf of a client~~ so that the workstation is re-configured as a server; and

wherein the CPU executes the client application on behalf of the client.

18. (Currently amended) The workstation of claim 17 wherein the workstation requests and ~~temporarily transfers obtains~~ a client application from

the external file system every time a client requests the client application to be executed.

19. (New) The computing environment of claim 1, wherein the software comprises software selected from the group consisting of a server application, an open source web server, a load-balancing application and a developmental runtime programming language.

20. (New) The computing environment of claim 7, wherein the client applications comprise applications selected from the group consisting of a server application, an open source web server, a load-balancing application and a developmental runtime programming language.